County of San Diego SanBIOS GIS Data Standard

The California State Database compatible COSD GIS data standard used to record species observation for the entire County

Executive Summary of Purpose, Policy, and Data

Background

The following departments are collecting biological species observation data:

- Parks
- DPW
- DEH
- FHA
- DPLU
- AWM
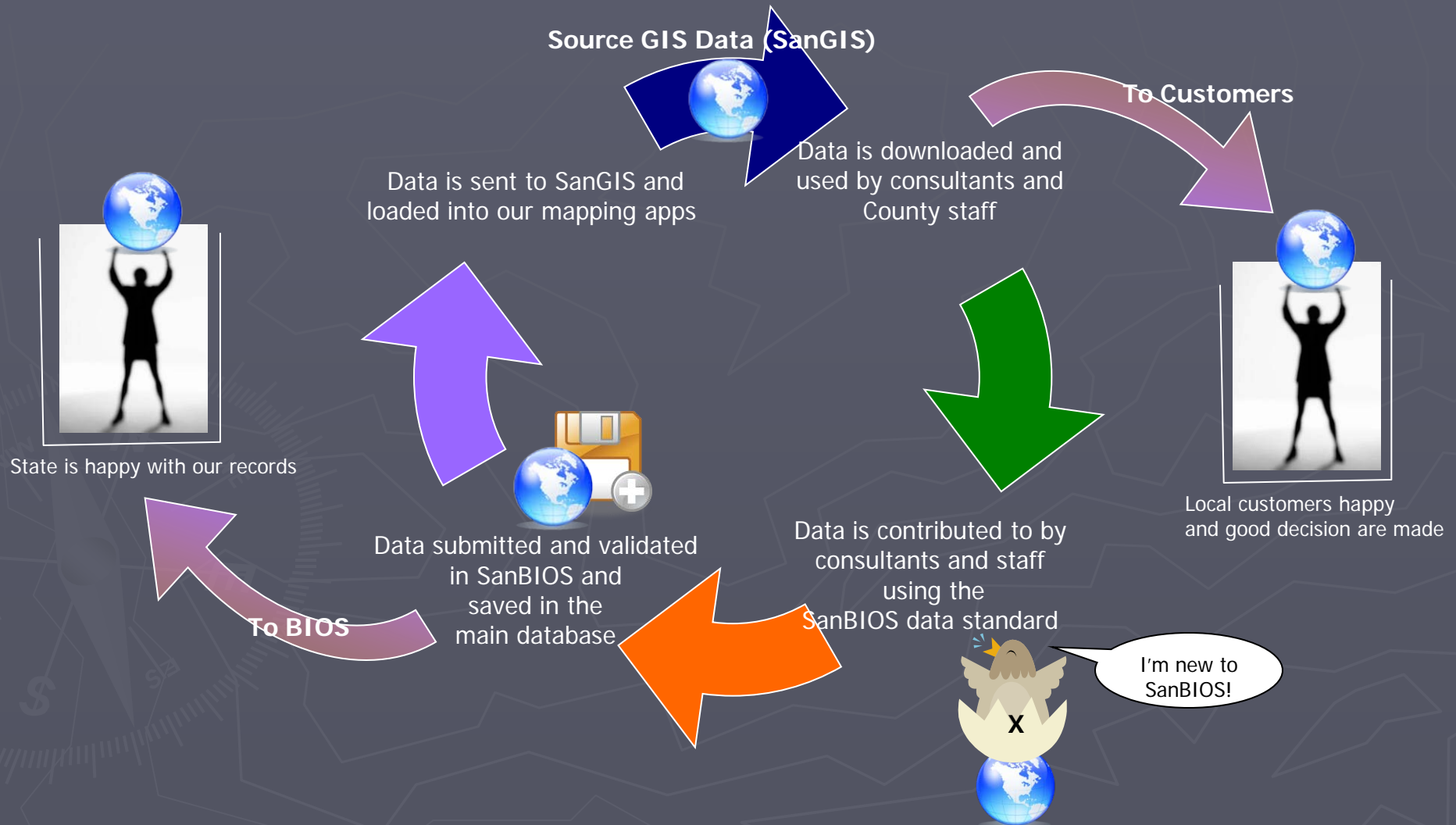

► MSCP, CEQA regulations, and identify and monitor invasive species

Why do we really need SanBIOS?

► Mandated

► Compatibility with State

► Information comes from external parties

► Consistency of information

► Better Stewardship

Record# 2
Species: X
Position Y: 32.123
Position X: -116.123
Life Form: bird
Date: 06-19-2002
Count: 1
Recorded by: Trish
Protocol: Gnatcatcher

General Workflow of SanBIOS

Source GIS Data (SanGIS)

To Customers

Data is sent to SanGIS and loaded into our mapping apps

Data is downloaded and used by consultants and County staff

State is happy with our records

Local customers happy and good decision are made

Data submitted and validated in SanBIOS and saved in the main database

Data is contributed to by consultants and staff using the SanBIOS data standard

To BIOS

I'm new to SanBIOS!

X

The Summary Recap

SanBIOS

Photo courtesy of Chet McGaugh, AMEC Earth and Environmental, Inc.

- Satisfies mandates
  - ►CEQA
  - ►NEPA
  - ►MSCP
  - ►Permitting
- Directs the location of future permanent plot surveys and for uses in various monitoring projects
- Validates predictive species niche models
- Tracks historical trends and manage problem species
- Supports better decision-making
- Saves the Public time, money, potential litigation

How do you use SanBIOS?

1. Go to www.SanGIS.org
2. Download SanBIOS package from the regional data warehouse
3. Use the full dataset for research
4. Populate your observations into the empty GIS template dataset
5. Return your observation dataset to DPLU

Where is the dataset located?
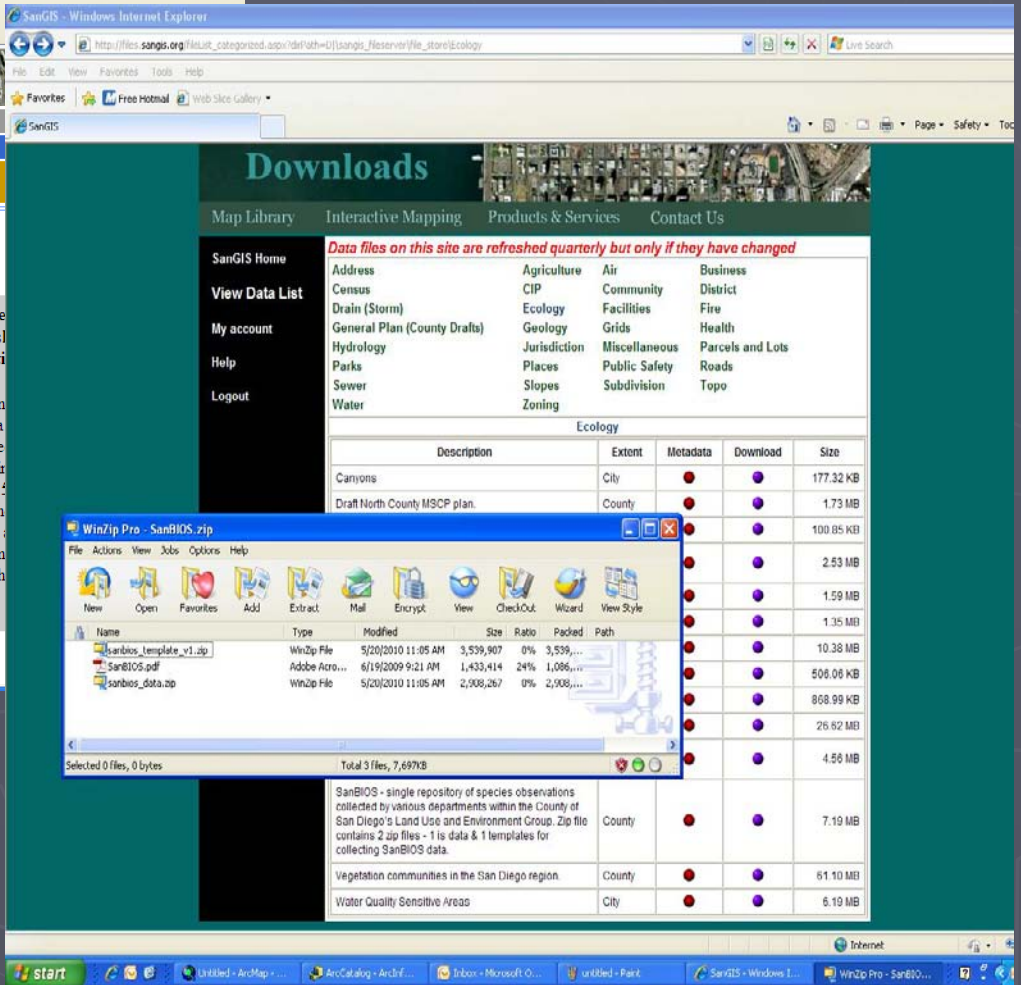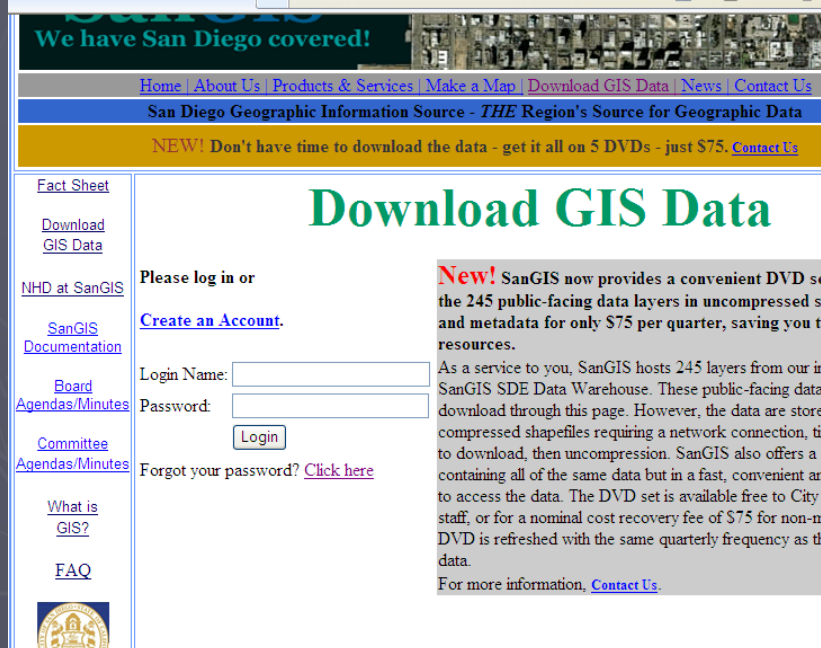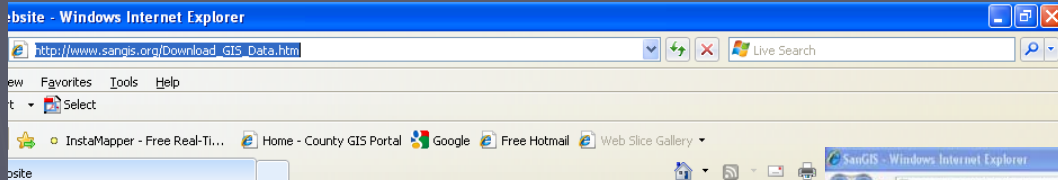
SanBIOS is in the Ecology Group

Read the Instructions

Examine the data's structure

Practice using empty dataset

Use the full dataset for your research
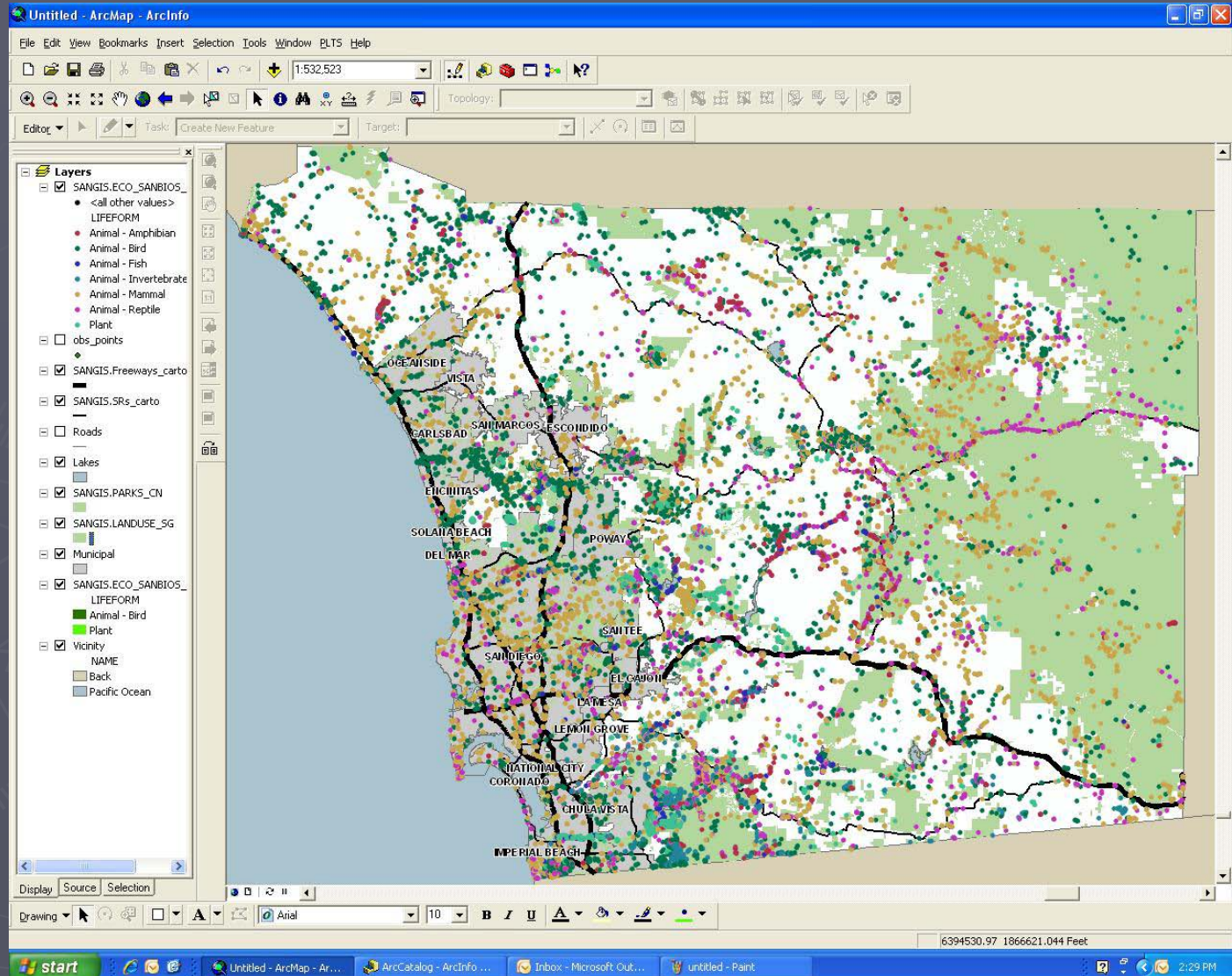
Answer questions with the metadata

Thanks

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